Dyna**Remote**

User's Manual

V1.1

00P2DG094DSEA1

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1. Overview

Dyna**Remote** is a remote browser-based software application designed to operate with Dyna**Guard**™ 094 Series DVR series products. Using the software, users are allowed to view live and recorded video.

The Dyna**Guard**™ 094 Series DVR series unit automatically downloads the Dyna**Remote** plug-ins to the connected PC when you connect to Dyna**Guard**™ 094 Series DVR series unit by entering the IP address of the unit in the address field on the browser.

The tasks can be performed with Dyna**Remote** are listed below:

- Remote live viewing.
- Remote control of dome cameras.
- Up to four users to connect to one Dyna**Guard**™ 094 Series DVR series using Dyna**Remote** at the same time.

2. System Requirements

Items	Minimum Requirements
Personal Computer	Pentium-3 600 MHz processor (Pentium Celeron or Pentium-4 1.5GHz processor preferred). RAM 256 MB minimum Hard Drive 20 MB available for software installation
Operating System	Window XP, 2003 Windows 2000
Web Browser	Microsoft Internet Explorer version 6.0 above, we abbreviate it as “IE” through the following pages. **NOTE:** The use of Dyna**Remote** requires ActiveX component; IE is recommended.
Monitor	The minimum monitor screen resolution requirement is 1024 x 768 with 16-bit color.
Video Card	XVGA with 16 MB video RAM
Network Card	10Base-T (10 Mbps) or 100Base-TX (100 Mbps) operation; must match the network configuration

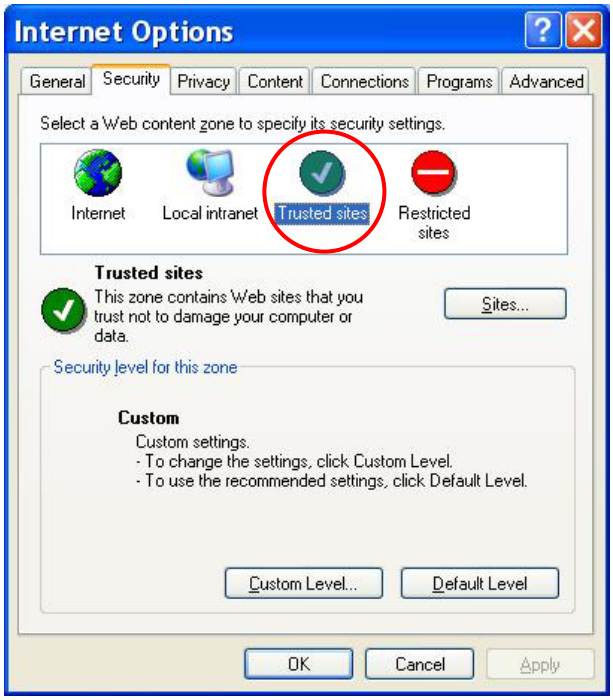
3. Getting Start of Setup

Refer to the following descriptions to install the Dyna**Remote** remote software.

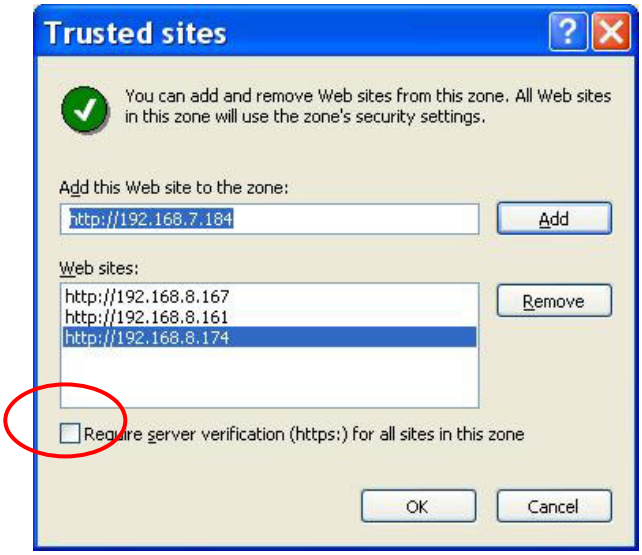
3.1 Changing Internet Settings

The PC you want to operate with Dyna**Remote** should be set to accept ActiveX plug-ins. Please follow the steps to set the Internet security settings appropriately.

- Before you operate the remote software, please check the IP address of your Dyna**Guard**™ 094 Series DVR series unit. To check the IP address, press MENU key on the remote DVR unit and enter password to access OSD Main menu; select <System Setup>, <Network Setup>, then <LAN Setup> to check the IP.
- Start IE; and select <Tools> from the main menu of the browser, then <Internet Options>, and then click the <Security> tab.
- Select <Trusted sites> and click <Sites> to specify its security setting.



- Disable Require server verification (https://******) for all sites in this zone. Type the IP address of the unit in field and click <Add> to add this web site to the zone.



- Click <OK> to confirm the setting and close Trusted sites dialog.

Now, you can continue with the rest of the Dyna**Remote** setup.

3.2 Installing Remote Software

Start IE to initiate the installation of Dyna**Remote** on your personal computer. You can save the IP address of the remote unit as a Favorites item in your web browser to have easy access next time.

- Start IE and enter the IP address of your Dyna**Guard**™ 094 Series DVR series unit in the address field where is at the top of the browser. Shown as below figure.

- The ActiveX controls and plug-ins dialog will show twice for confirmation, click <YES> to accept ActiveX plug-ins. The Dyna**Remote** plug-ins will be downloaded and installed on your PC automatically when the connection is successfully made.

NOTE: Do not enter any leading 0 characters in the address, for example, “192.068.080.006” should be entered as “192.68.80.6”.

NOTE: If the default trigger port 80 is changed into another one, take port 81 for example, you should enter the IP address as “192.68.80.6:81”.

NOTE: You must have Windows Administrator privilege to update successfully.

- A version check starts to verify whether Dyna**Remote** has installed already, and also check if the version is the same as that stored on that particular Dyna**Guard**™ 094 Series DVR series unit. This process may take up to 30 seconds.

When the software is completely downloaded, the Login Screen is then displayed.

Enter Network Password
This secure Web Site (at 192.168.7.184) requires you to log on.
Please type the User Name and Password that you use for DG200.
User Name
user
Password
Save this password in your password list
OK
Cancel

3.2.1 Log in / Log off

Dyna**Remote** allows up to four “Users” to access a Dyna**Guard**™ 094 Series DVR series unit at the same time.

Enter Network Password
This secure Web Site (at 192.168.7.184) requires you to log on.
Please type the User Name and Password that you use for DG200.
User Name
user
Password
****
Save this password in your password list
OK
Cancel

The following steps demonstrate procedures to view video from remote unit:

- Start Dyna**Remote** by entering the IP Address of the remote Dyna**Guard**™ 094 Series DVR series unit in the Address field of the browser.
- Enter Username and password. The default Username and password is listed as below table. You can save password in the list if needed.

Username	Password
user	4321

- Click <OK> to log in to the remote Dyna**Guard**™ 094 Series DVR series unit. The process may take a few seconds.
- If the connection is made successfully, the main window displays live video of the attached cameras.

If you close IE browser, you log off the system at the same time.

3.2.2 Software Upgrades

When a new version of Dyna**Remote** software is available on your Dyna**Guard**™ 094 Series DVR series unit, it will be automatically installed when you access the unit. Follow the steps to upgrade the software.

Confirm
An Incompatible version of VideoViewer.ocx was detected on your PC.
Would you like to download the correct version for proper operations?
Notice: You must have Windows Administrator privilege to update successfully.
Please start your browser again after it closed.
Yes
No

- The message “Browser will be closed” is now displayed. Click <Yes> to accept to version upgrade.
- Start your IE again and enter the IP address of the remote Dyna**Guard**™ 094 Series DVR series unit in the Address field of the browser.
- When the software is completely downloaded, the Login Screen will be displayed. Please refer to Section 3.2.1 Log in/ Log off.

4. Basic Operation

After the connection between your PC and the remote DVR unit is successfully made, the Dyna**Remote** main window displays as below figure.

The cameras connected to the remote unit will be listed on the left and an array of camera output windows displayed on the right of the main window.

To view the main window in full-screen view, press <F11> on your keyboard.

The features on Dyna**Remote** main window will be described in the following sections.

4.1 To View Live Video

You can view live video from the cameras attached to the remote DVR by clicking <Live> key on the main window toolbar.

You can select desired display mode after the view on the Dyna**Guard**™ 094 Series DVR series unit is displayed on the main window. To select wanted display mode, refer to the following sections.

4.1.1 Selecting Display Mode

You can indicate the number of windows displayed on the main window. Click one of the display keys which is positioned on the left-bottom corner of the main window. You can select from 4, 9 and 16 camera displays.

To view certain window in full screen, you may either double-click on the wanted window, or click on the corresponding CAMERA key.

4.1.2 Operating Cameras with Dome Control

Dyna**Remote** allows you to control and configure a dome camera remotely.

Click on any CAMERA key to view the camera in full screen display. Then click on a CAMERA key which is displayed with a dome icon. The Dome Control Panel (shown as right) will be displayed in the left side of the main window. The items on the dome control panel are described as follows.

Set Preset Points

This item is used to set up preset positions. Dyna**Remote** allows setting up to 255 preset positions with DynaColor, American Dynamics, and Pelco (Pelco P & Pelco D) domes.

Use Direction keys to move dome camera to an appropriate position, and then click the key and choose wanted number from the pull-down list. The preset position is named as the selected number.

Go Preset Point

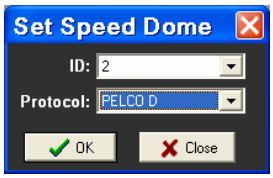
This item is used to call the camera preset point which was set up with the set preset function. Click and choose a number to call the preset for viewing.

A.F. (Auto Focus)

Click to focus the camera automatically for a clear view.

ID (Dome ID Setup)

Click for changing the dome ID and protocol. User privileges in not allowed to change the dome ID and protocol; Admin privileges is needed to access this function.



Focus

Use to adjust the camera lens to focus on objects for a clear view. Click the adjusting keys to modify the focus setting.

Iris

This item is used to open and close the iris to let more or less light into the camera. Click the adjusting keys to modify the iris setting.

Zoom

You are allowed to zoom-in or zoom-out using the adjusting keys. Zoom-in to view less area and zoom-out to view more area.

Direction Keys

These keys are used to pan and/or tilt the dome camera. Click the arrow key in the direction you want to view.

4.2 Instant Recording

The Instant Recording function allows you to record video quickly on your PC.

Follow the steps to start recording instantly:

- Click on the <Instant Recording> key.
- Name the file and select the destination to save the *.drv file,.
- Click on the key again to stop recording.

NOTE: The instant recording video will be saved as *.drv file. And the size of each *.drv file will be 700MB. If the recording is larger than 700MB, then it will be divided into 2 (or more) files.

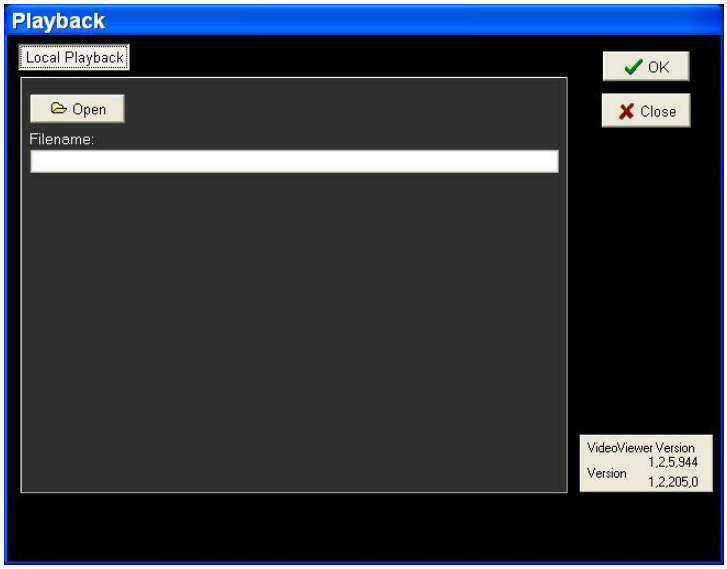
4.3 To Playback Video

To access the Playback screens, click <Play> key on the main window toolbar. The <Local Playback> tab enables you to play back a recorded video file with Dyna**Remote** that was downloaded and stored on the hard disk drive of your PC.

The remote DVR continues recording while you are playing back recorded video on your PC.

4.3.1 To Playback Local *.drv Files

The <Local Playback> tab allows you to play back *.drv video files that stored on your PC's hard disk drive. The Local Playback screen is shown as below.



Follow below steps to play back a downloaded *.drv file with Dyna**Remote**.

- Click <Open> and the file selection screen is displayed.
- Select the *.drv video file to play back and click <OK>.
- Click <OK> to start the operation, or click <Cancel> to abort the playback.
- View the video playback using the Playback controls. The Playback controls information refer to Section 4.3.3 Playback Controls.
- After playback, click <Live> to return to live video.

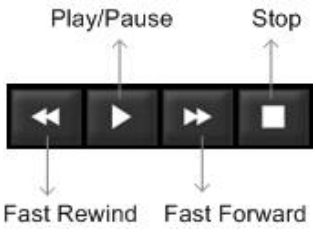
4.3.2 To Playback Instant Recording Video

Follow the steps to playback a video recording instantly:

- Click <Play> on main window toolbar, the <Local Playback> tab displays.
- Click <Open> to choose a *.drv file.
- Click <OK> to start playing the recorded *.drv file.

4.3.3 Playback Controls

When playing back local or remote video, Dyna**Remote** is in Playback Mode. The playback controls toolbar is on the main window, as shown in the following figure.



The Playback controls and indicators are described below.

Fast Rewind

Click to play the recorded video in reverse direction. Click repeatedly to select the rewind speed: 1x, 2x, 4x, 8x, 16x, or 32x.

Play / Pause

Click once to play the recorded video, click again to pause the playback.

Fast Playback

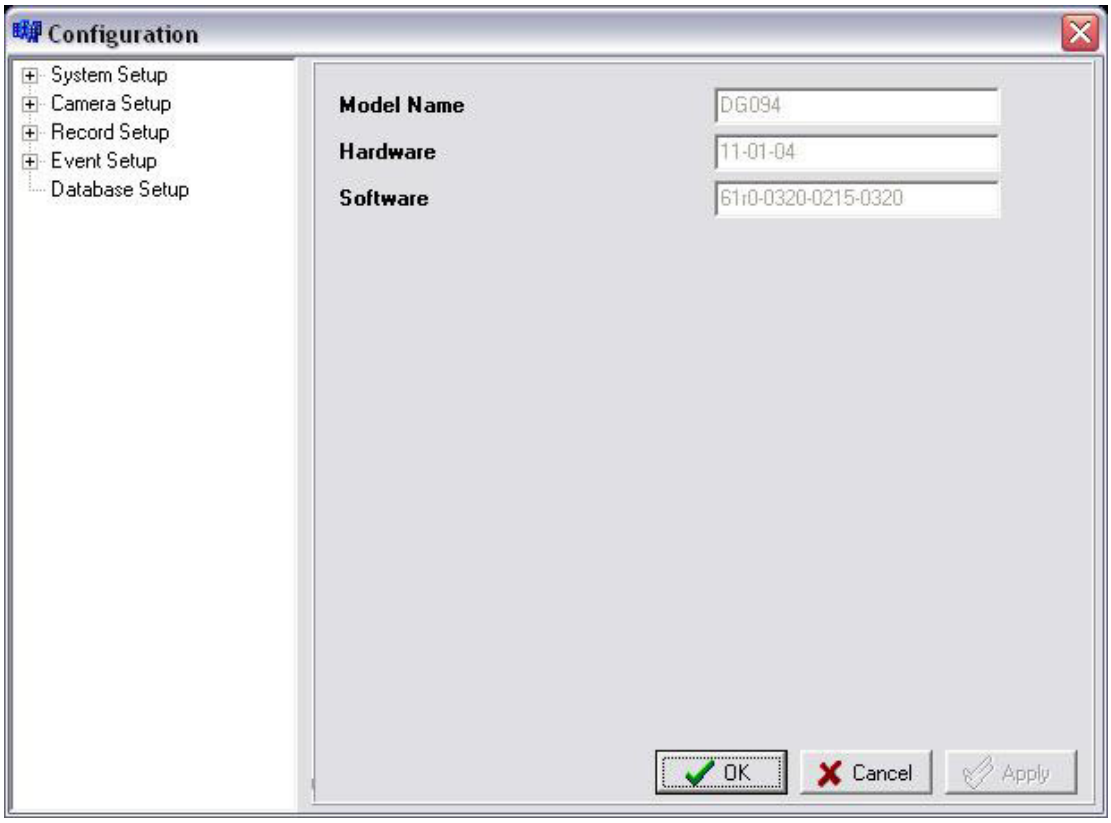
Click to play the recorded video forward. Click repeatedly to select the playback speed: 1x, 2x, 4x, 8x, 16x, or 32x.

Stop

Stop playing the recorded video.

5. Configuring the Remote Unit

Click <MENU> key on the toolbar to configure a Dyna**Guard**™ 094 Series DVR series unit remotely. The Configuration menu displays as below.



Configuration Menu

The Configuration menu contains a list of items that are used to configure Dyna**Guard**™ 094 Series DVR series units remotely. The following subsections describe the configuration items and keys used in the OSD menu.

NOTE: The settings in Configuration menu only apply to the unit.

The Administrator can perform unit configuration freely. If you log in Dyna**Remote** using User account, the most settings will be read only and cannot be configured.

NOTE: If an Administrator account is currently accessing the unit OSD setup menu, you are not allowed to save the configuration as an Admin on Dyna**Remote**. The Dyna**Guard**™ 094 Series DVR unit administrator account has priority.

The items in Configuration menu are described in the table below.

Item	Description
System Setup	Configures the system related items on the remote unit, such as password, date/time and network settings, etc.
Camera Setup	Configures camera titles and other camera-related items on the remote unit.
Record Setup	Configures record-related items on the remote unit, such as event and audio recording parameters.
Event Setup	Configures the way in which the remote unit handles events.
Database Setup	Show the database information. It's for read only.

Keys in Configuration Screens

The configuration screen contains several keys that enable you to save and close the settings. These keys are shown as below.

The functions of these keys are described below.

- **<OK>**

  You can save just the settings in the section of the Configuration screen in which you are working, click <OK> to save the settings and close the Configuration screen.

- **<Cancel>**

  Click to close the screen without saving any changes.

- **<Apply>**

  Click <Apply> to save all of the settings in the Configuration screen and apply them to the remote unit.

5.1 System Setup

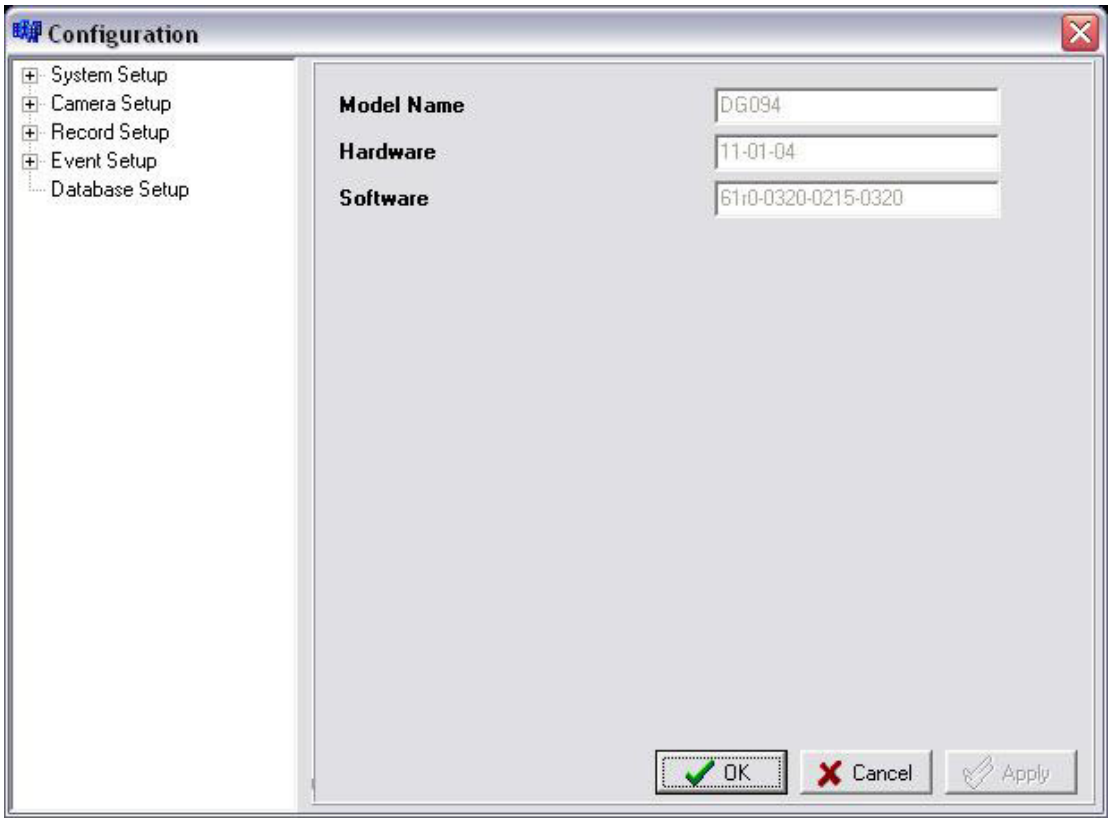
The System setup screen allows user to set language, date/time, and RS-485 settings on the remote unit.

Click <MENU> key on the main window toolbar, and expand the System setup menu by clicking the plus icon. The expanded System Setup menu displays as the figure on the right.

Items in the System Setup menu are described as following sections.

5.1.1 Version

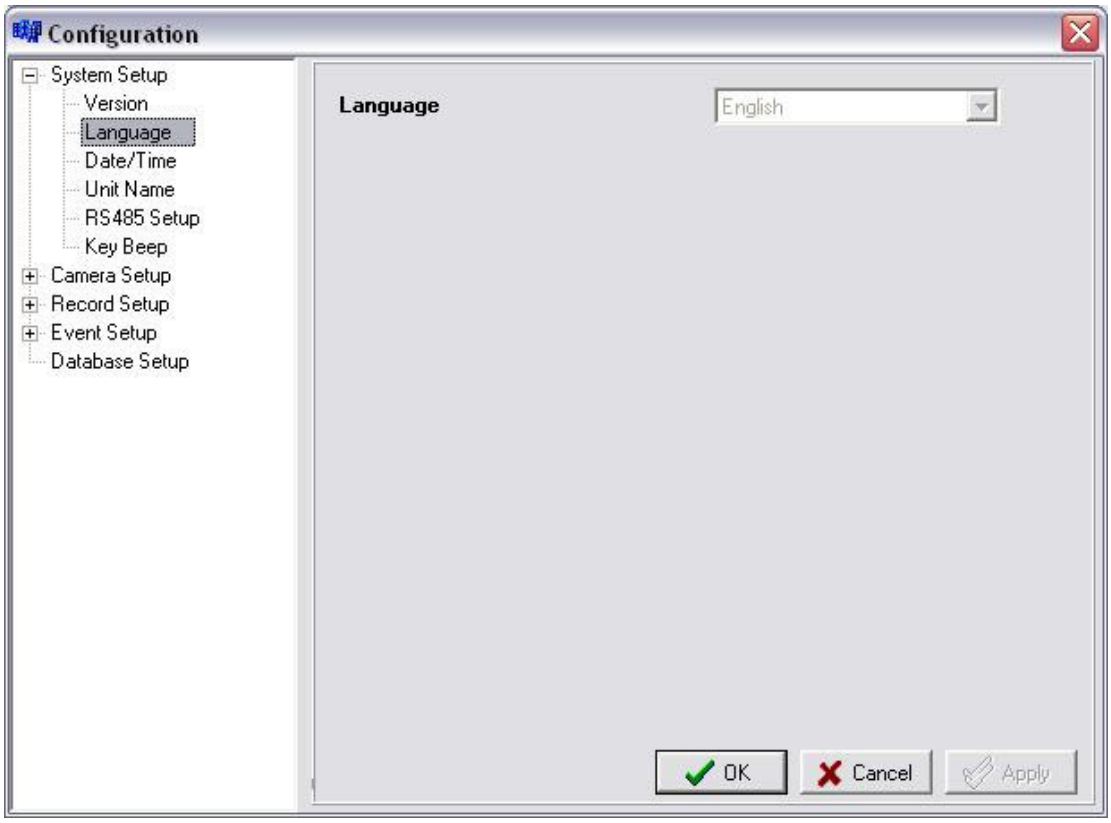
Show the Model Name, Hardware version and Software version of the connected unit, shown as below figure. The mentioned information is for read only.



5.1.2 Language

The Language menu allows users to select the system language for OSD menu and screen messages of the remote unit. Language selection takes effect immediately when the selection is done.

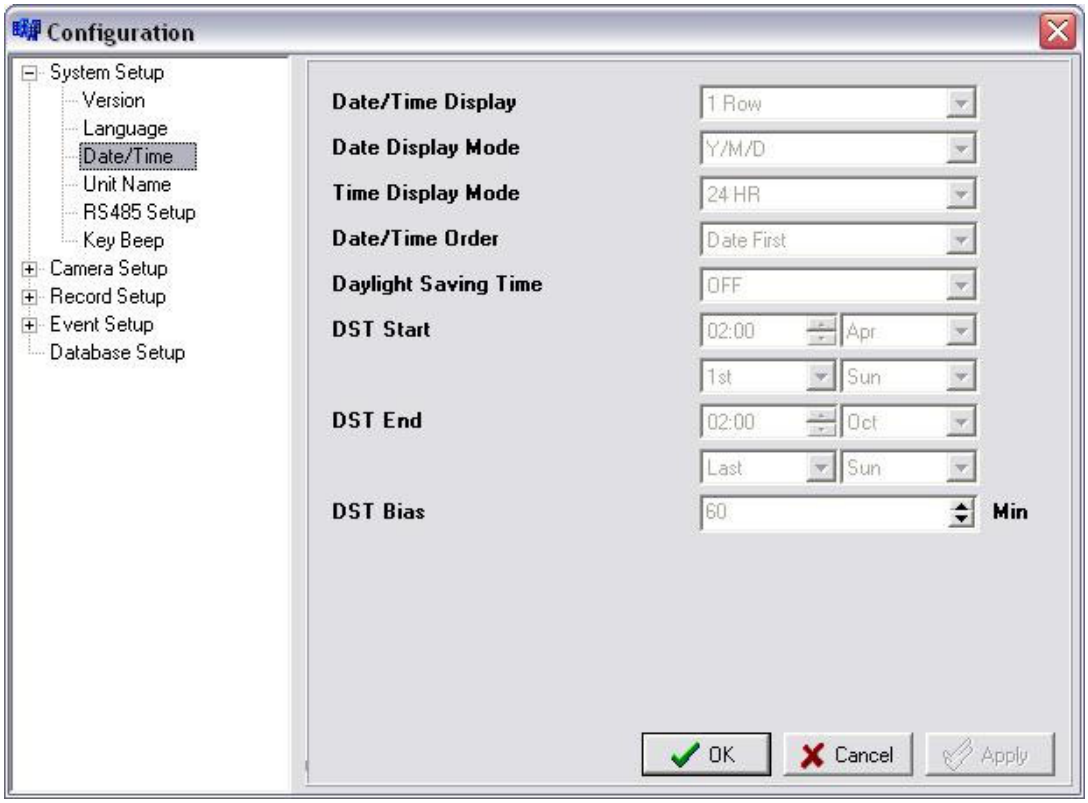
NOTE: The selection is used to change the system language of the remote DVR unit, but not for changing the language of the Dyna**Remote** software.



5.1.3 Date / Time

Click <Date/Time> to display the Date/Time menu, shown as follows. The menu allows user to configure the date/time related settings.

NOTE: The following three items “Date/Time Display”, “Date/Time Display Mode” and “Date/Time Order settings” are applied to the remote DVR unit only.



Date/Time Display

User can set the date and time information to display in one or two rows. The default is <1 Row>.

Date Display Mode

Users are allowed to set the date-displayed mode for the remote unit. The date is comprised of Year (Y), Month (M), and Day (D). To change the date-displayed mode, click on the black arrow of this item and select the wanted option form the pull-down menu. The default display mode is <Y/M/D> in both NTSC and PAL formats.

Time Display Mode

Used to set the time format of the remote DVR unit in 12 hour or 24 hour. The default setting is <24 HR>.

Date/Time Order

Used to set the order of Date/Time display to <Date First> or <Time First>.

Daylight Saving Time

The following items are used for those people who live in certain regions to observe Daylight Saving Time. Select <ON> to enable the following DST settings, or <OFF> to disable the function.

- **DST Start/ DST End**

  The items are used to set the daylight saving duration. Enter the wanted DST start time and end time into both fields using the keyboard directly, or use the pull-down menu to select the desired date and time.

- **DST Bias**

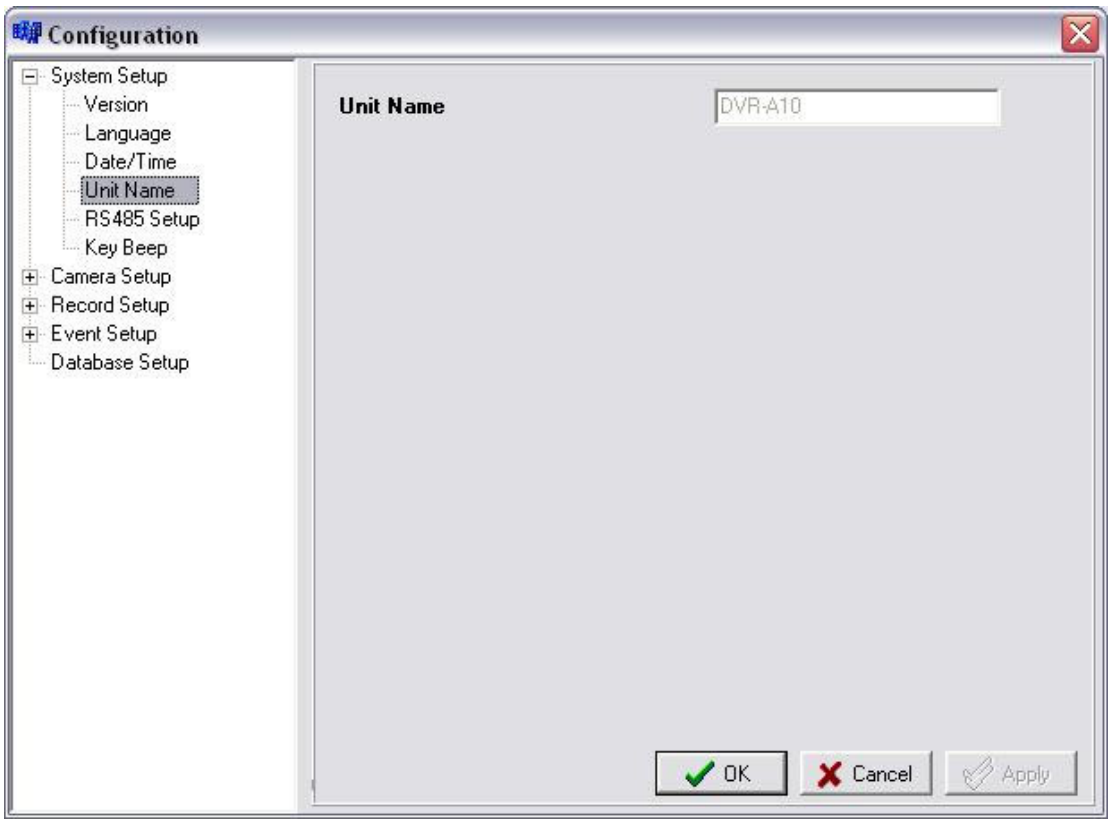
  The item is used to set the amount of time to move forward from the standard time for Daylight Saving Time. The Available options are <30>, <60>, <90> and <120> minutes.

When you have completed the settings, remember to take one of the following actions.

- Click <OK> to save the modified settings.
- Click <Apply > to save all modified settings set in the configuration menu.
- Click <Cancel> to abort and leave all settings unchanged.

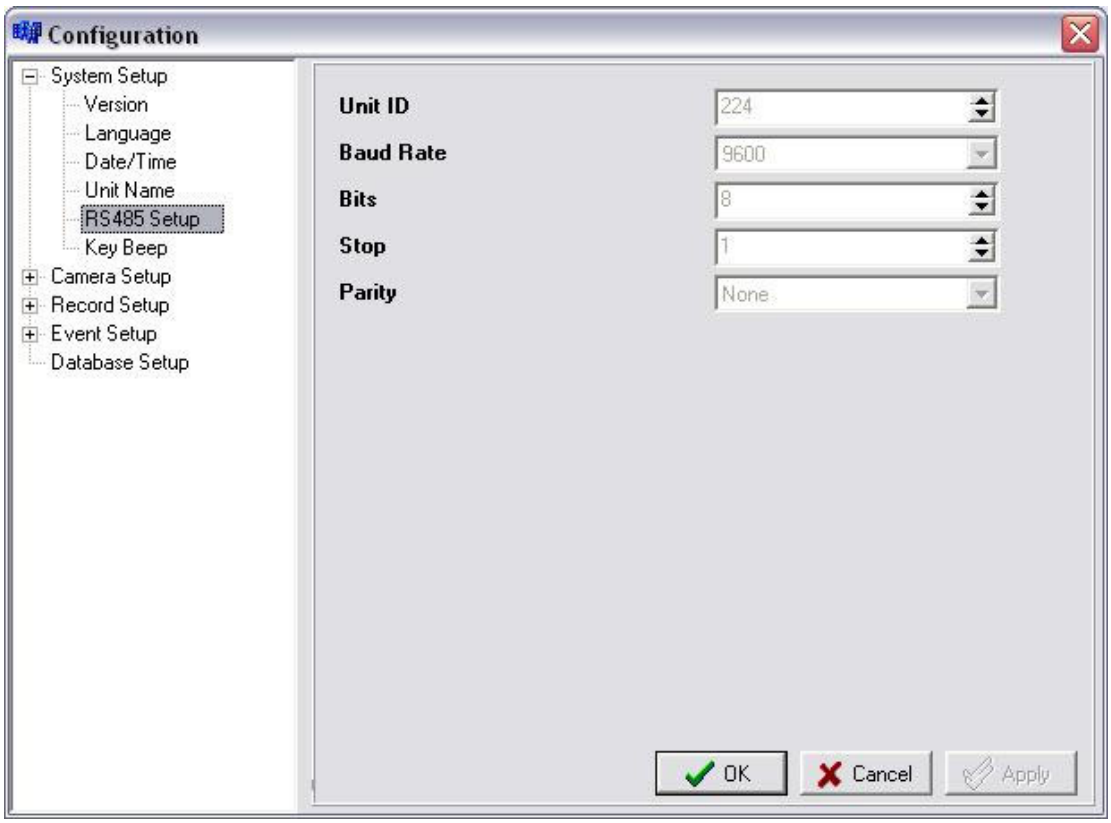
5.1.4 Unit Name

The item is used to change the unit name of the connected remote DVR unit. To change the unit name, type the new name in the field directly using the keyboard.



5.1.5 RS485 Setup

Used to set up the parameters of the remote unit's RS-485 communications port. Click <RS485 Setup> to display the RS485 Setup menu.



- **Unit ID**
  Used to change the RS-485 ID address of the unit. The ID is in the range from <1> to <255>. The default is <224>.

NOTE: NO two units on the same bus should have the same RS485 ID.

- **Baud Rate**
  Allow user to specify the baud rate for RS485 port. The available options are <2400>, <4800>, <9600>, <19200> and <38400>. The default is <9600> baud.

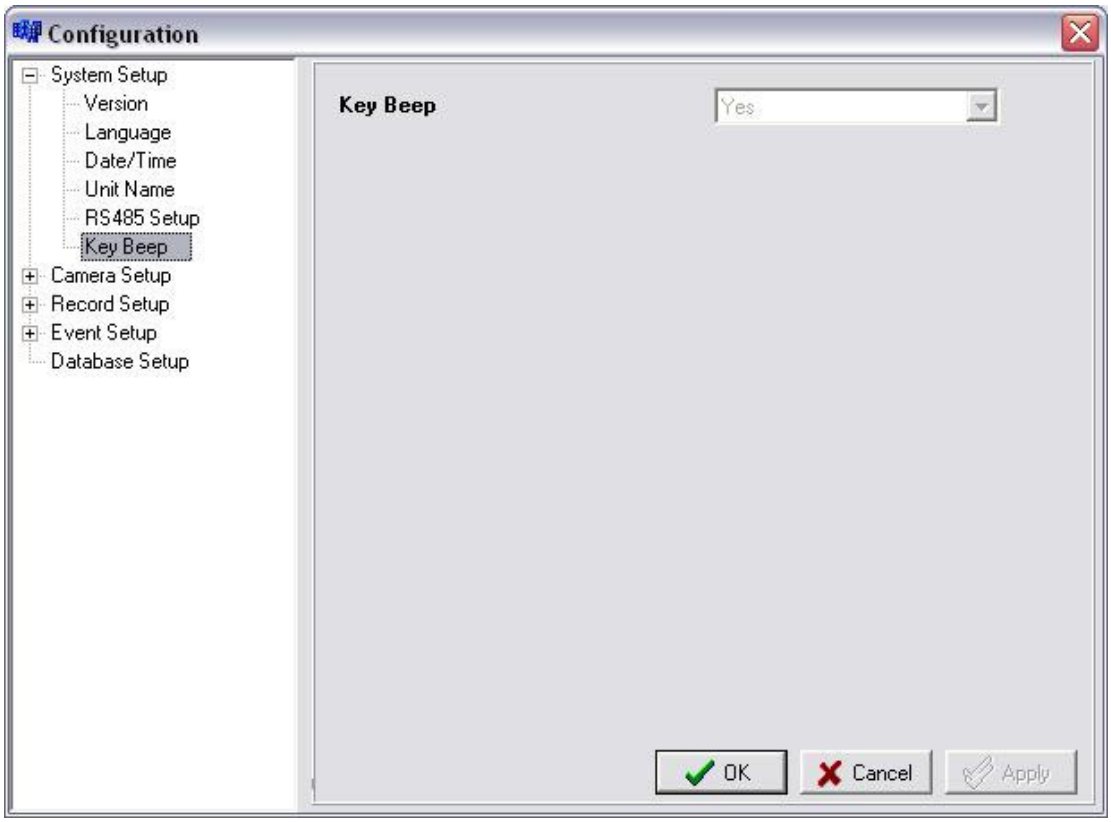
- **Bits**
  Users are able to specify the bits that are associated with the protocol. The available options are <6>, <7> and <8> bits. The default is <8> bits.

- **Stop**
  Users are able to specify the stop bit associated with this protocol. Options are <1> and <2> stop bits. The default is <1> stop bit.

- **Parity**
  Used to specify the parity associated with this protocol. Options are <ODD>, <EVEN>, and <NONE>. The default is <NONE>.

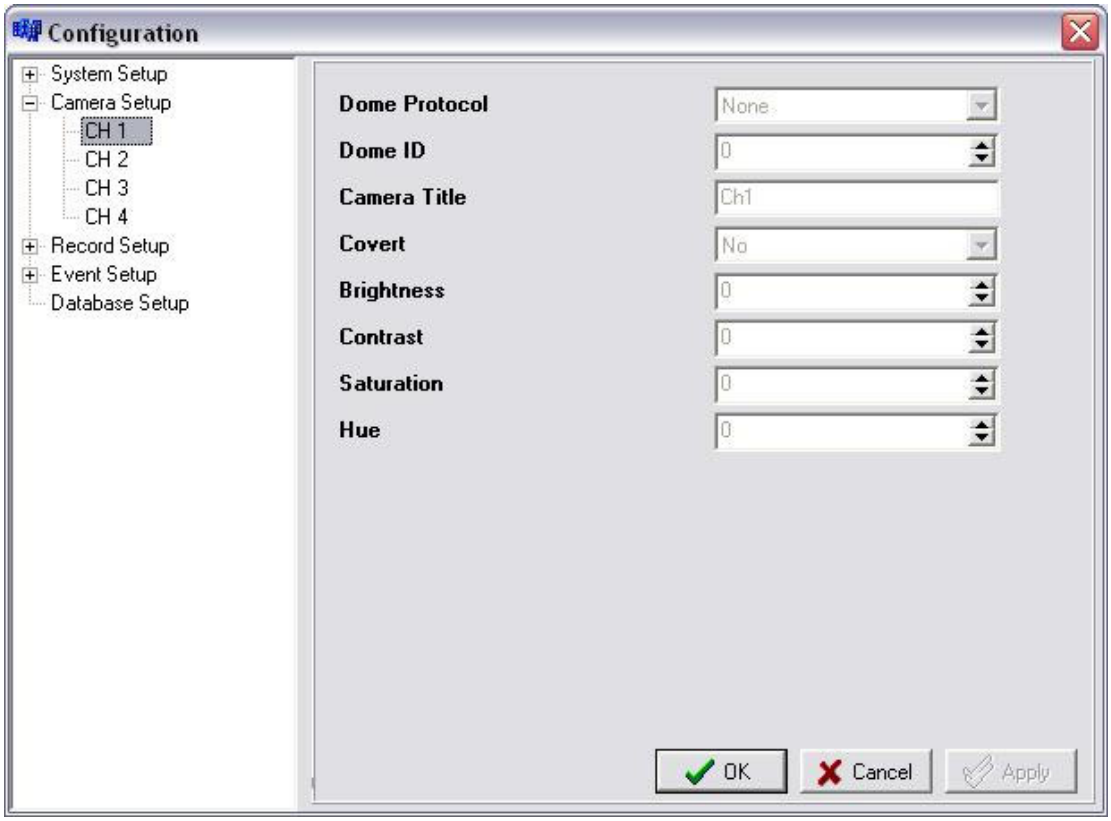
5.1.6 Key Beep

The item is used to enable or disable the unit's key tone. Select <YES> to enable the key tone, or <NO> to disable.



5.2 Camera Setup

Camera Setup menu allows users to configure camera-related items of the DVR unit remotely. Click <MENU> key on the main window toolbar, and then click <Camera Setup> to expand the menu. Click on the wanted channel to set its corresponding parameters.



Items listed in the menu are described as follows.

Dome Protocol

Used to select the communications protocol associated with the connected dome camera(s). The available protocol includes <DynaColor>, <AD422>, <Pelco D>, <Pelco P>, <HITRON> and <None> (default).

Dome ID

Used to assign an ID number to the selected dome camera. Note that ID number you set here must match with the ID set on the dome.

Camera Title

Allow users to set a title of camera connected to the unit (up to 11 characters). The title will be displayed both on the remote DVR unit's main monitor and the Dyna**Remote** main window.

Enter a camera title to the entry field using a keyboard directly. By default, the titles of cameras are numbered from 1 through 16 respectively.

Covert

Users are able to choose certain camera to be covert while the unit is continuing recording video. Choose a desired channel first and set the item <Covert> to <YES>. <YES> means to covert the selected camera, and <NO> means not to covert the selected camera. The default setting is <NO>.

Brightness

Used to adjust the image's brightness of the selected camera displayed on the monitor.

Contrast

Used to adjust the image's contrast displayed on the monitor of the selected camera.

Saturation

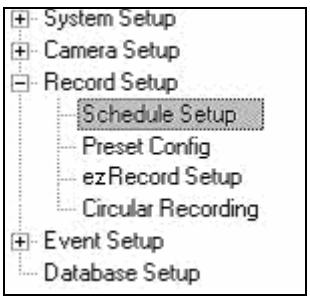
Used to adjust the image's saturation displayed on the monitor of the selected camera.

Hue

Used to adjust the image's hue displayed on the monitor of the selected camera.

5.3 Record Setup

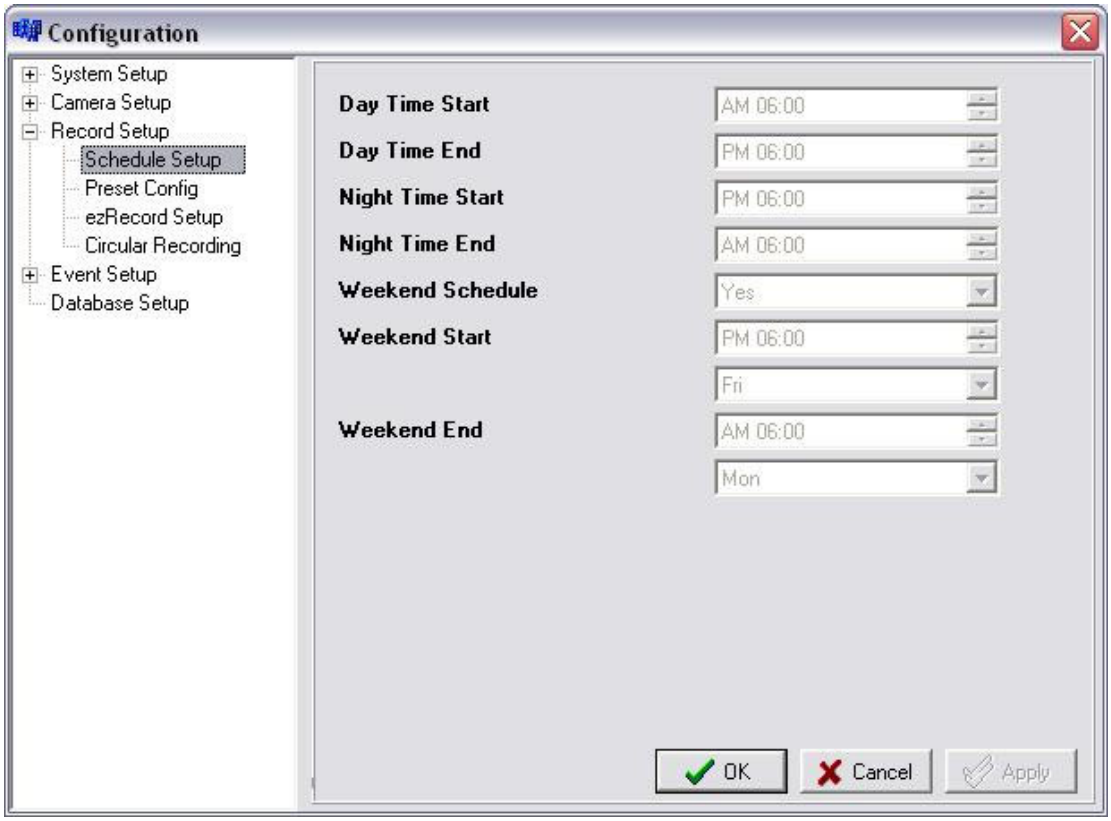
Record Setup menu allows users to set record-related items, such as recording schedule, pre-set configuration, pre-alarm recording time, or circular / linear recording, etc.



Click <MENU> key on the main window toolbar, and click the plus icon to expand Record Setup menu.

5.3.1 Schedule Setup

Schedule Setup menu is used to set the daytime, nighttime, and weekend recording schedule. The Night and Day schedules are used to define daytime and nighttime; the Weekend schedule is tailored for weekends and holidays.



- **Day/ Night Time Start**
  Day Time Start/ Night Time Start determine the beginning of daytime and nighttime, respectively. The option is indicated in 1-minute increments. The time display format is based on the setting on Time Display Mode.

- **Day/ Night Time End**
  Day Time Start/ Night Time End determine the end time of daytime and nighttime, respectively. The option is indicated in 1-minute increments. The time display format is based on the setting on Time Display Mode.

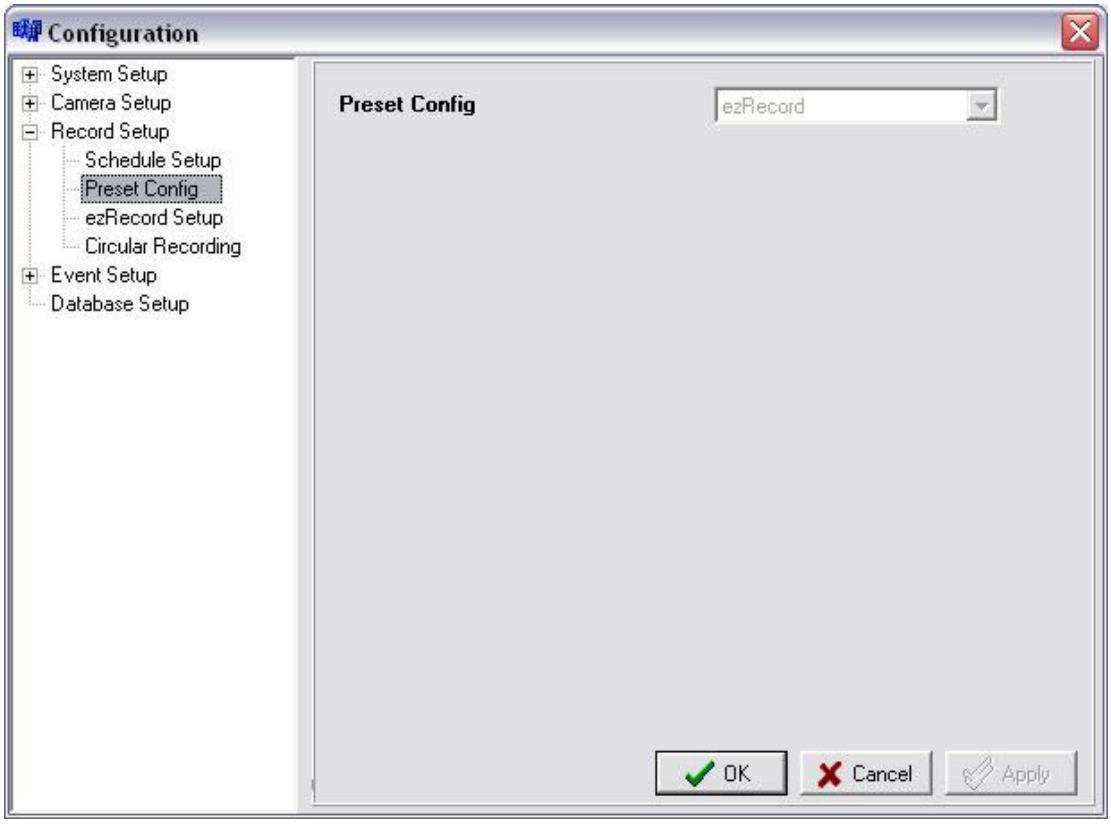
- **Weekend Schedule**
  The Weekend Schedule determines whether a weekend schedule is in effect. Choose <YES> to take effect the related weekend settings.

- **Weekend Start/End**
  Weekend Start Time indicates the specific day and time that a weekend begins, for example, FRI 18:00. The Weekend End Time indicates the specific time and day that a weekend ends, for example, MON 06:00. Time is indicated in 1-minute increments.

  Note that the value you have set indicates when the regular Day and Night scheduling ends, and Weekend recording begins.

5.3.2 Preset Configuration

<Preset Config> is used to select the preset recording quality and frame rate. Different default recording quality levels are offered for users to choose from: <Best Quality>, <Standard>, <Extended Record>, <Event Only>, and <ezRecord>.



According to various Record modes, the preset configuration options for normal and event status are described in terms of relative recording rate (PPS) and recording size for each channel in the below tables.

The preset conditions override any other quality and rate settings. The default Preset Configuration setting is <Standard>.

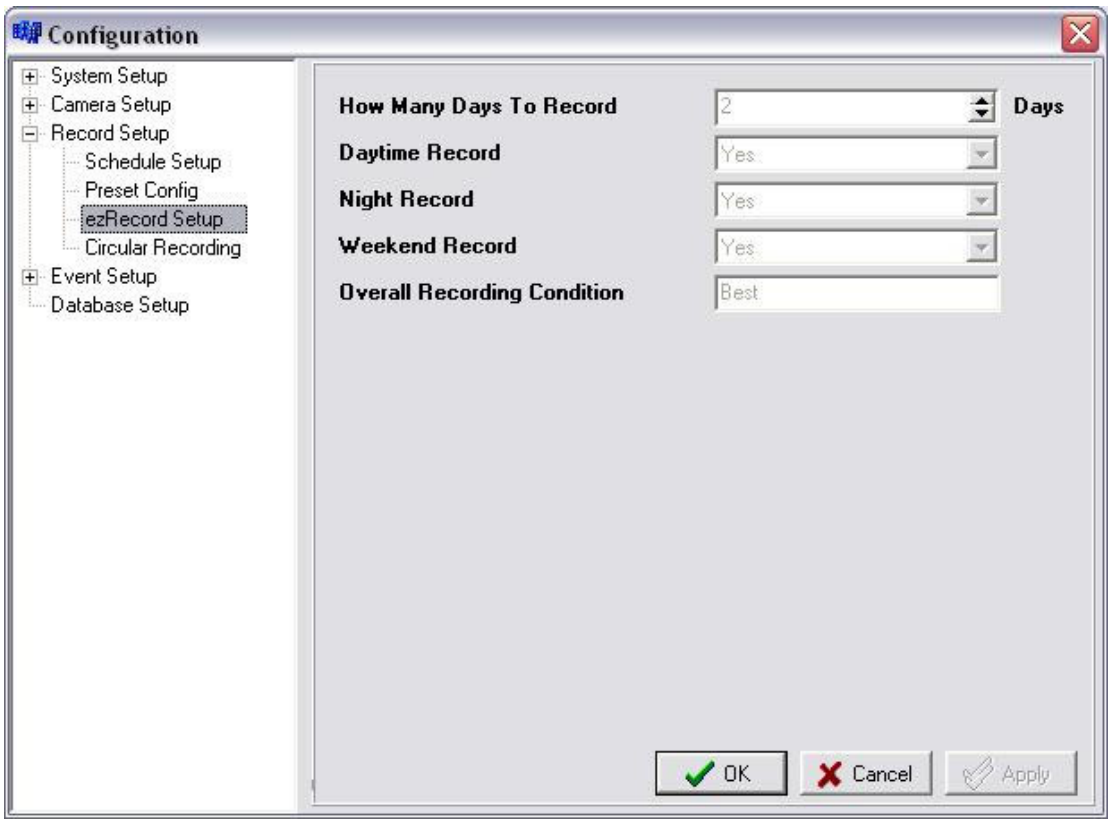
Record Mode: Full-D1 mode (NTSC: 720x480@30PPS) (PAL: 720x576@25PPS)					
Preset Configuration	**Normal PPS**	**Normal Quality**	**Event PPS**	**Event Quality**	**Event Active**
Best Quality	3.75 NTSC (3.125 PAL)	20 KB	15 NTSC (12.5 PAL)	20 KB	Both (Alarm+Motion)
Standard	3.75 NTSC (3.125 PAL)	14 KB	15 NTSC (12.5 PAL)	20 KB	Both
Extended Record	3.75 NTSC (3.125 PAL)	8 KB	15 NTSC (12.5 PAL)	20 KB	Both
Event Only	0 NTSC (0 PAL)	-	30 NTSC (25 PAL)	20 KB	Both
ezRecord	Auto	Auto	Auto	Auto	Auto
NOTE: If selecting this Record mode, only the image from channel 1~4 will be recorded.					

Record Mode: Half-D1 mode (NTSC: 720x240@60PPS) (PAL: 720x288@50PPS)					
Preset Configuration	**Normal PPS**	**Normal Quality**	**Event PPS**	**Event Quality**	**Event Active**
Best Quality	3.75 NTSC (3.125 PAL)	17 KB	30 NTSC (25 PAL)	17 KB	Both (Alarm+Motion)
Standard	3.75 NTSC (3.125 PAL)	11 KB	30 NTSC (25 PAL)	17 KB	Both
Extended Record	3.75 NTSC (3.125 PAL)	5 KB	30 NTSC (25 PAL)	17 KB	Both
Event Only	0 NTSC (0 PAL)	-	30 NTSC (25 PAL)	17 KB	Both
ezRecord	Auto	Auto	Auto	Auto	Auto

Record Mode: CIF mode (NTSC: 360x240@120PPS) (PAL: 360x288@100PPS)					
Preset Configuration	**Normal PPS**	**Normal Quality**	**Event PPS**	**Event Quality**	**Event Active**
Best Quality	7.5 NTSC (6.25 PAL)	14 KB	30 NTSC (25 PAL)	14 KB	Both (Alarm+Motion)
Standard	7.5 NTSC (6.25 PAL)	8 KB	30 NTSC (25 PAL)	14 KB	Both
Extended Record	7.5 NTSC (6.25 PAL)	2 KB	30 NTSC (25 PAL)	14 KB	Both
Event Only	0 NTSC (0 PAL)	-	30 NTSC (25 PAL)	14 KB	Both
ezRecord	Auto	Auto	Auto	Auto	Auto

5.3.3 ezRecord Setup

This item aims to avoid the complicated record settings, and to make the setup much easier. Note that the item can be reached only when you select <ezRecord> as the option for <Preset Config>.



- **How Many Days To Record**
  Used to determine how long time you want the remote DVR to record. The maximum of days depends on the size of your HDD, in the other words, the larger the HDD installed, the more days the unit can record.

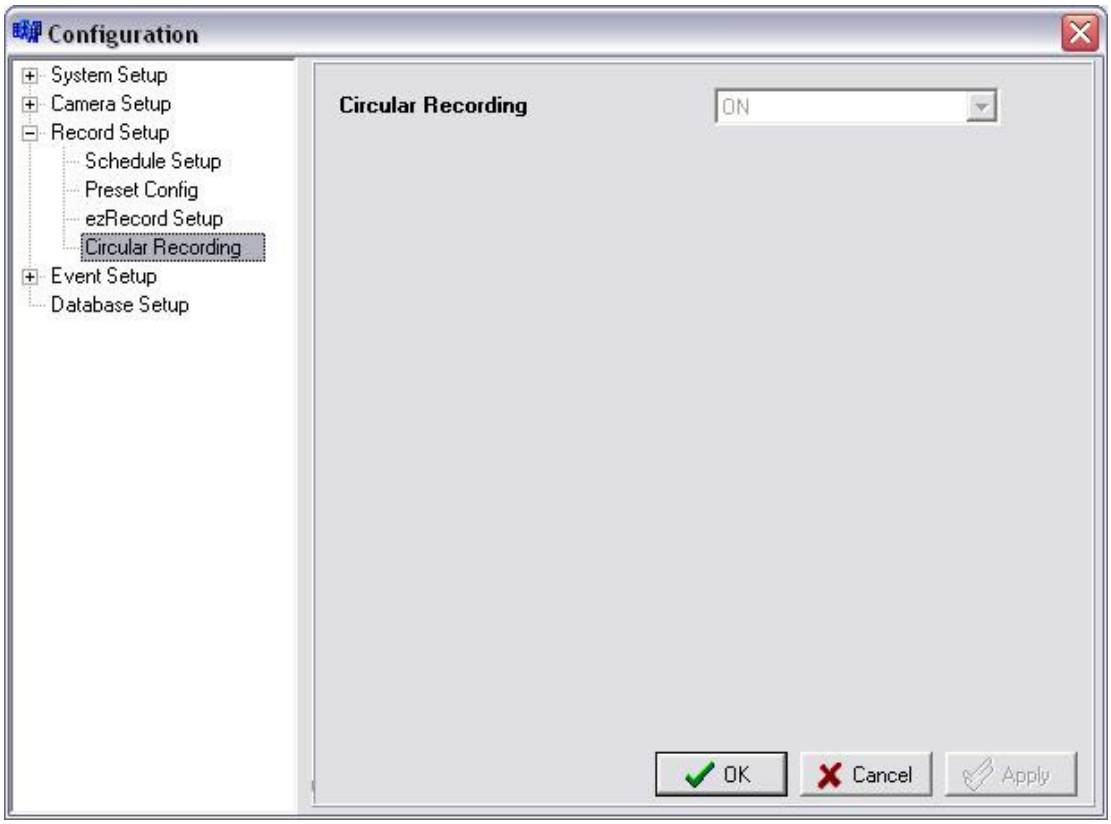
- **Daytime Record/ Night Record/ Weekend Record**
  This item is used to select whether you want the DVR to record during daytime. If yes, select <Yes> as option; or, select <No> for not recording during daytime.

- **Overall Recording Condition**
  According to upper items you have set, the quality will be automatically accounted and shown on the screen. This item is for read-only. Five options, including <Best>, <High>, <Mid>, <Fair> and <Low>, you may see on this item. We strongly recommend to keep the quality higher than “Middle”.

5.3.4 Circular Recording

Users are able to record video either in circular mode or in linear mode. If you choose to record in circular mode, then the unit begins to overwrite the oldest previously recorded video; and stores new video over the HDD spaces. If you choose to record in linear mode in stead, the unit stops recording when the HDD is full.

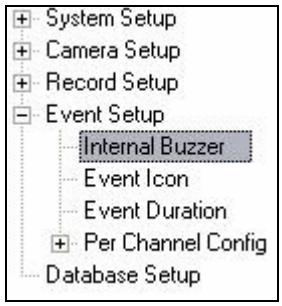
Select <ON> to record video in circular mode, or <OFF> in linear mode.



5.4 Event Setup

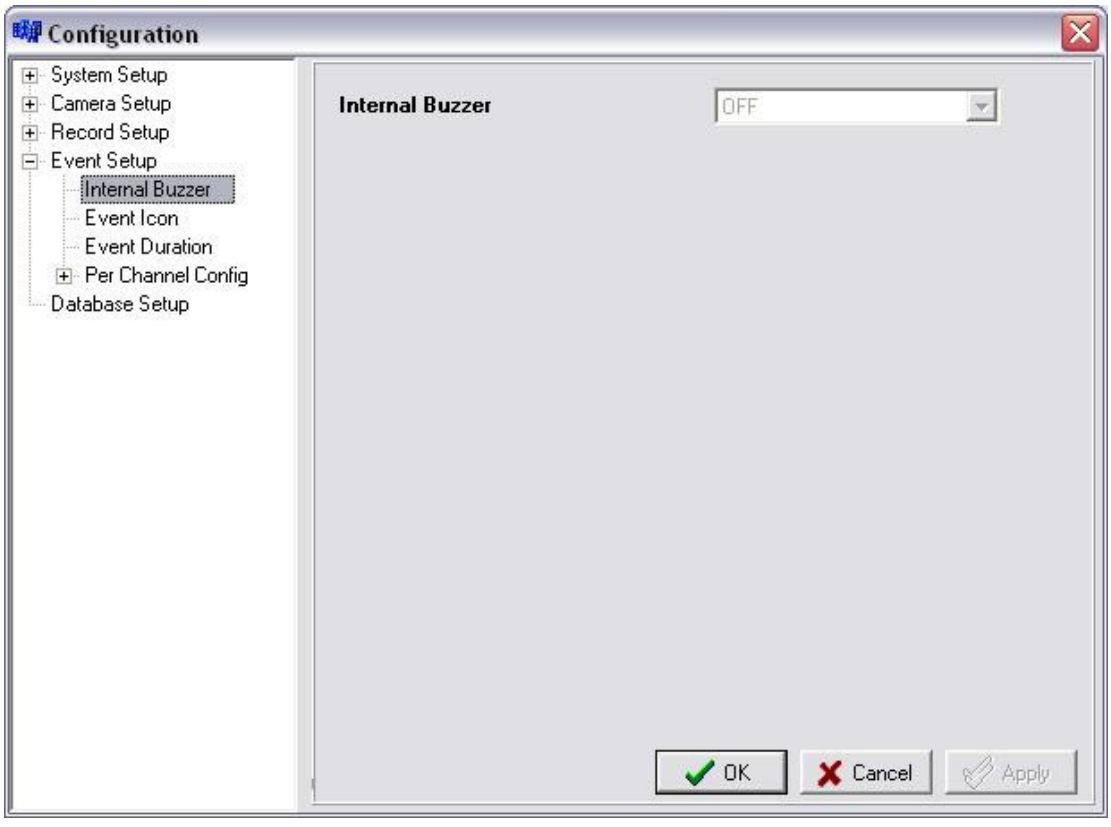
Event Setup menu allows users to determine Dyna**Guard**™ 094 Series DVR series unit's behavior in response to an alarm event.

Click <MENU> key on the main window toolbar, and click the plus icon to expand the Event Setup menu.



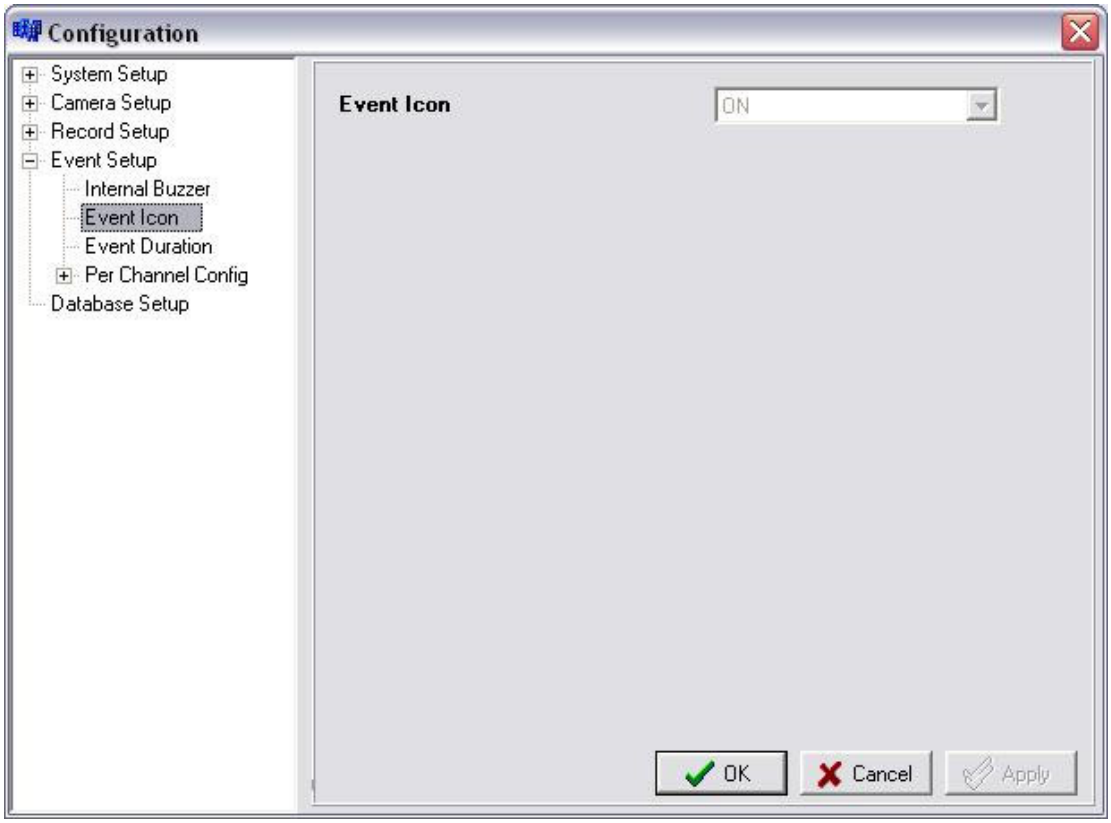
5.4.1 Internal Buzzer

This item allows user to enable / disable the unit's internal buzzer. If set to <ON>, the buzzer is activated in response to an alarm. If set to <OFF>, the buzzer is not activated. The default setting is <ON>.



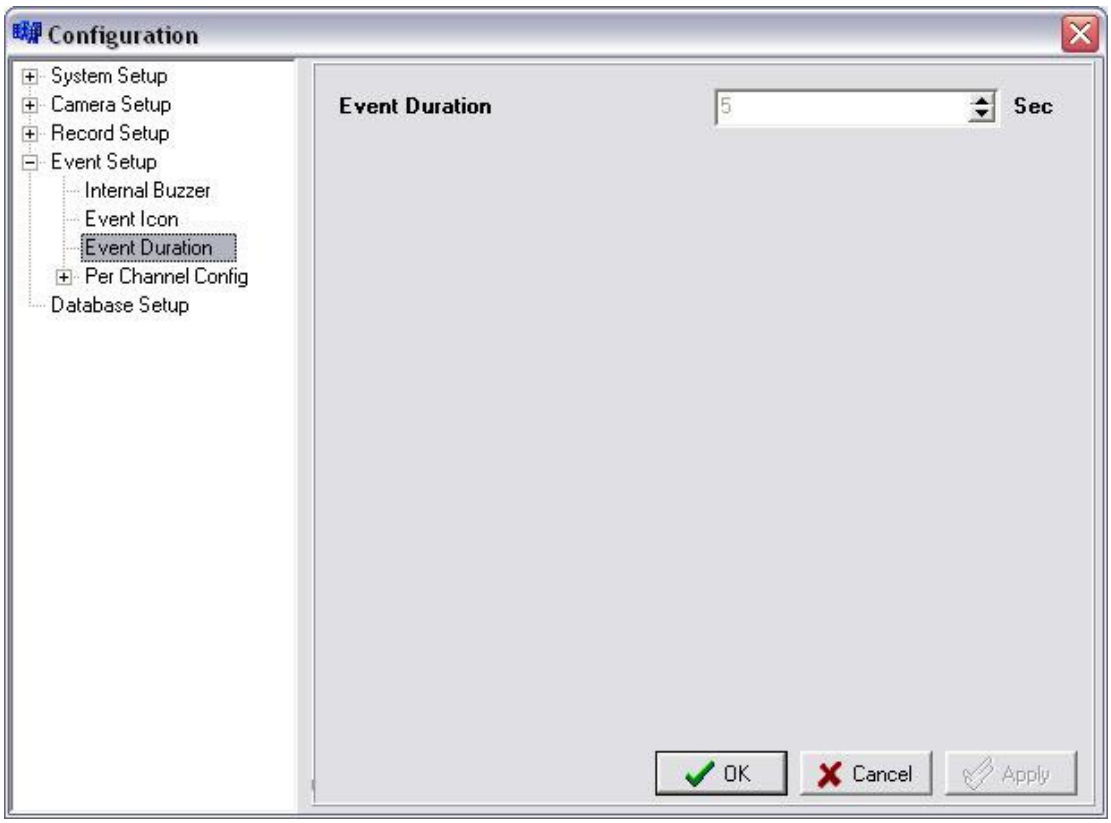
5.4.2 Event Icon

Users are able to enable (ON) / disable (OFF) the display of Event Icon on the monitor when an alarm event occurs. The default setting is <ON>.



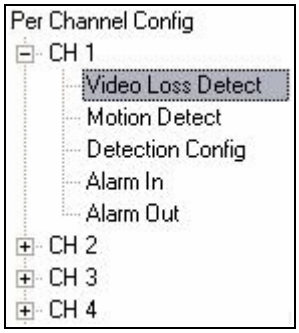
5.4.3 Event Duration

Determine the duration of the buzzer and Alarm Out relay function after an alarm is triggered. The available event duration range is from 1 second to 100 seconds. The default is 5 seconds.



5.4.4 Per Channel Configuration

This item is used to set how alarm conditions are handled.



Select a desired channel and configure its settings, such as Video Loss Detect, Motion Detect and Alarm In / Out functions.

Video Loss Detect

Used to enable / disable Video Loss as an alarm event. Select <ON> to enable Video Loss alarm events, <OFF> to disable.

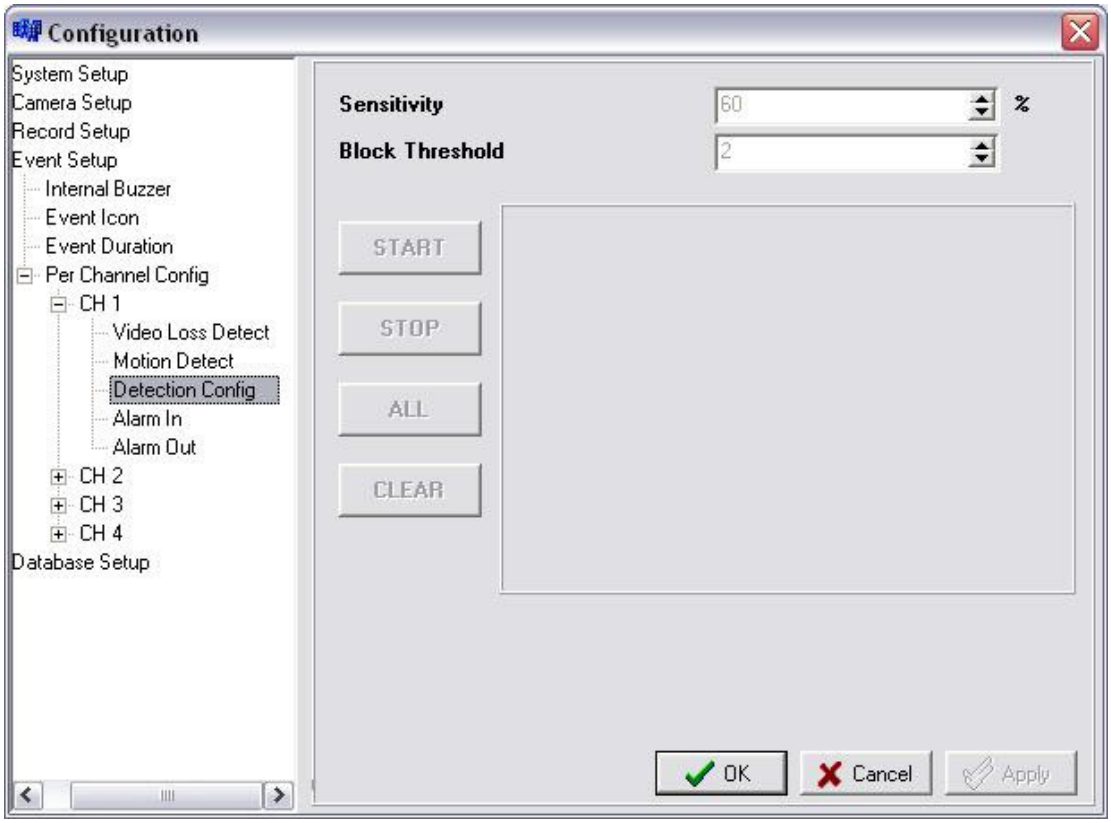
Motion Detect

Used to enable or disable the motion detection function of the Dyna**Guard**™ 094 Series DVR series. By default, the value is <OFF>.

If motion detection function is enabled, it is required to define the motion detection parameters such as detection area and sensitivity settings.

Detection Configuration

Click and the menu displays as below figure.



- **Sensitivity**

  The item is used to set the sensitivity of detection grids for the camera. A greater value indicates more sensitive motion detection. A motion alarm will be triggered, once the amount of motion detected exceeds the Threshold value.

  Click UP / DOWN arrow keys to adjust the value. The value is indicated in 4% increment.

  Note that every time you have changed the value, remember to click on “Apply” key to make the change take effect.

- **Area Threshold**
  <Area Threshold> indicates the motion alarm triggered level; if the percentage of triggered grids to total detection area is greater than the set value, the motion alarm will be triggered.

  For example, if 10 grids are selected and the <Area Threshold> value is 70%, the motion alarm will be triggered when seven grids are motion detected.

  Click UP / DOWN arrow keys to adjust the value. The value is indicated in 4% increment.

  Note that every time you have changed the value, remember to click on “Apply” key to make the change take effect.

  After the change(s) have been made (remember to click on “Apply”), click START to start detecting; click STOP to stop detecting; click ALL to select all grids; and click CLEAR to clear all selected grids.

Alarm In

This item allows user to enable / disable alarm input detection. According to your application, select <N/O> (Normal Open) or <N/C> (Normal Close) to enable the alarm input detection or select <OFF> to disable the detection. The default setting is <OFF>.

If you set this item to <N/C> but did not install any device to the unit, the alarm will be triggered and the Event Icon displayed continually until this item is changed to <N/O>, <OFF> or install a device to the unit.

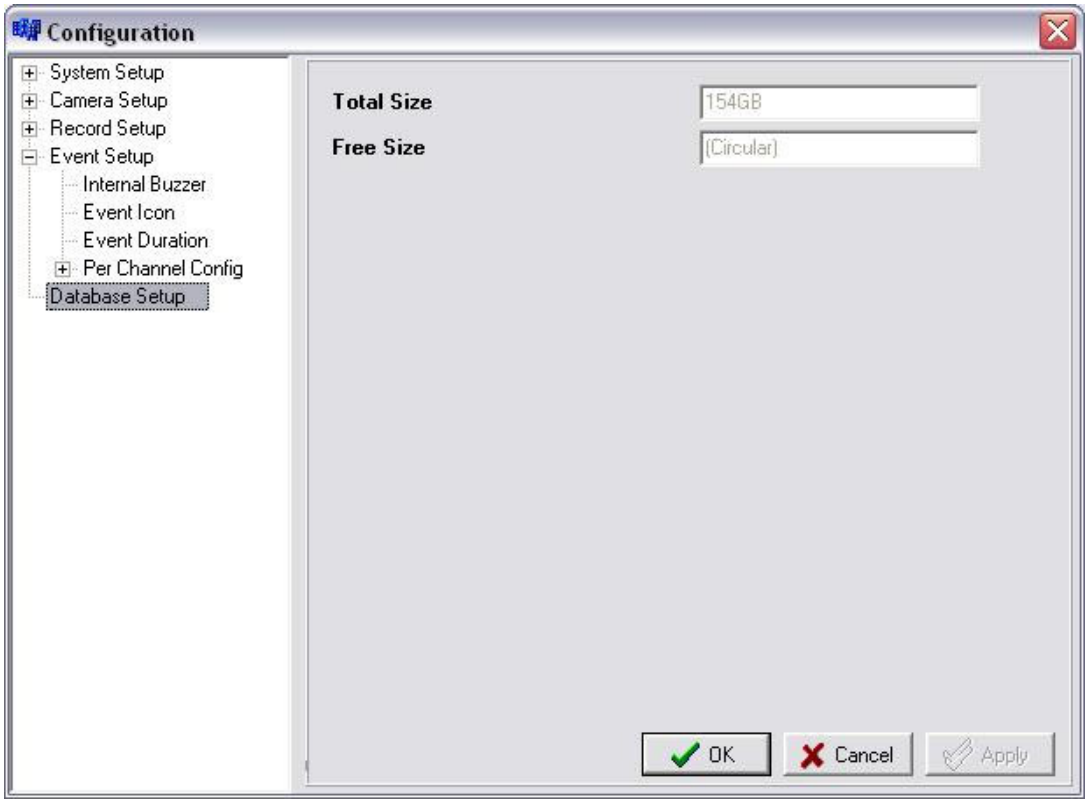
Alarm Out

This item allows user to assign an alarm on certain channel to activate the relays. These signals can be used to drive a light or siren to caution an alarm event.

Select from the options: <A Only> indicates “Alarm Out A”, <B Only> indicates “Alarm Out B”, <Both> indicates “Both Alarm Out” and <None> indicates “No Alarm Out”. The default setting is <None>.

5.4.5 Database Setup

The menu displays information of internal and external disks.



- **<Total Size of HDD>**
  The Total Size of HDD shows the total capacity of HDD that has been added into database.

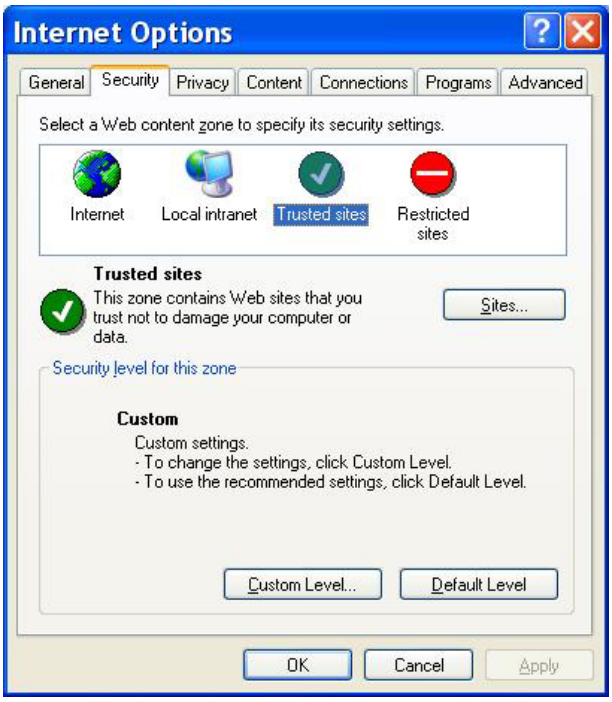
- **< Free Size of HDD>**
  The Free Size of HDD indicates the free space for recording of the HDD added in database. The information is read-only.

6. Trouble Shooting Guide

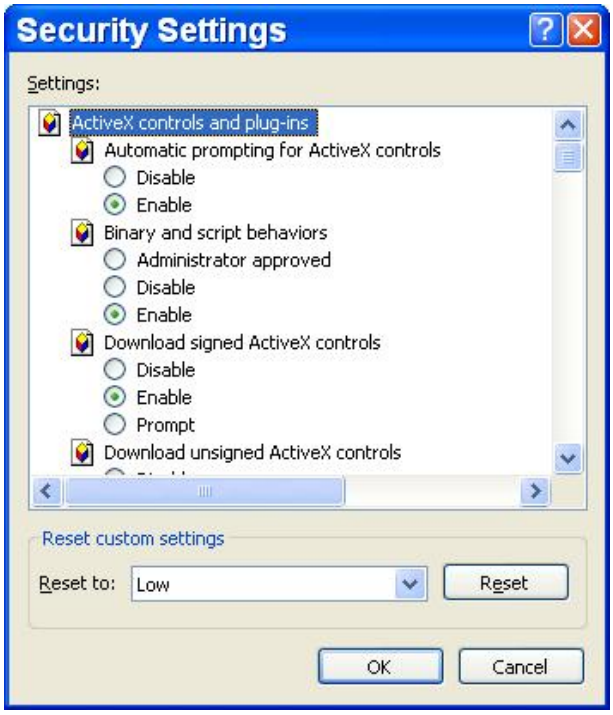
6.1 No Image Displayed after Connecting

If you have done all the internet settings mentioned in the Section 3.1 Changing Internet Settings, and still no image displayed after the connection between the remote DVR and your PC is made, then please follow these steps to change your security settings:

- Start IE, and then select <Tools> form the main menu of the browser, then <Internet Options>, and then click the <Security> tab. The Security Settings screen is displayed as below.



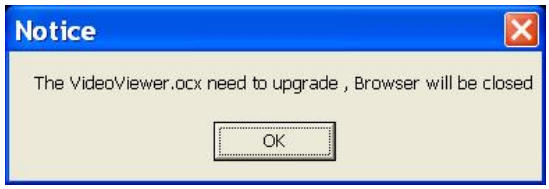
- Click <Custom Level>, and below figure displays.



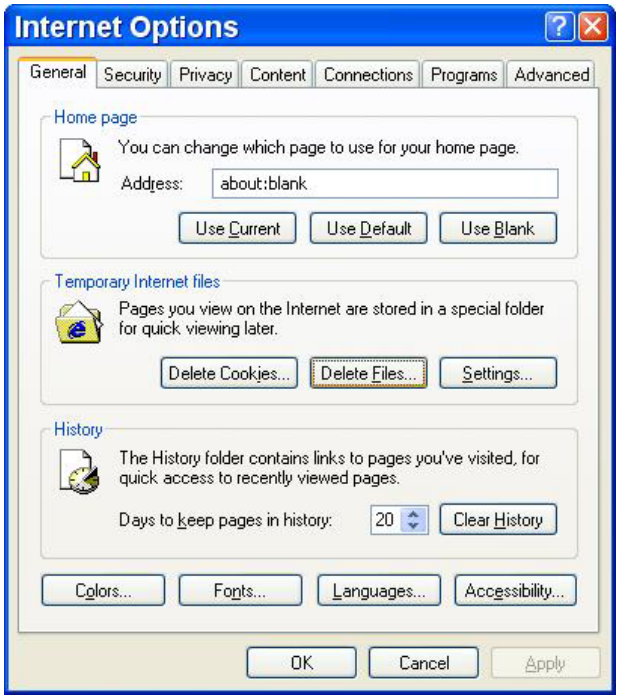
- Under <All ActiveX controls and plug-ins>, set all items to <Enable> or <Prompt>.
- Click <OK> to accept the settings and close the <Security> screen.
  Click <OK> to close Internet Options dialog.

6.2 The System Asks for renewing .ocx

What if the server ask for .ocx renewal all the time when you trying to connect to the remote software? If the following screen displays repeatedly, please follow the steps to delete the temporary internet files.



- Select <Tools> from the main menu of the web browser, then <Internet Options>, and then click the <General> tab.



- Click the <Delete Files> key in the Temporary Internet Files field; the screen displays as below.

Delete Files
Delete all files in the Temporary Internet Files
You can also delete all your offline content stored locally.
Delete all offline content
OK
Cancel

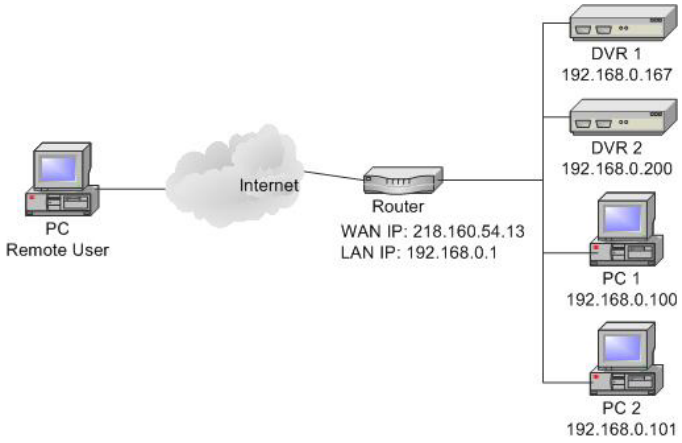
- Enable the <Delete all offline content> and click <OK>.
- Now, enter the IP address of your Dyna**Guard**™ 094 Series DVR series unit to make the connection again.

Appendix: Setting up a DVR behind a Router

This appendix describes how to set up a router if the DVR connects to the internet via a router.

To properly operate a web server, e.g. a DVR, the user has to set up both the IP and port of the DVR, which are essential for data and command transmission. The port setting is adjustable in OSD setup menu of DVR and only one port is needed to do remote operation. Typically and by the default, the DVR operates on port 80, which is well known as the http port. Please make sure that port 80 is not blocked by your ISP or you will have to find another available port and change the setting of the DVR.

In case a router, or sometimes a DSL modem is in place, the real IP is now assigned to the router instead of the DVR. The DVR is located behind the wall (router) and operates on virtual IP. In most cases, virtual IP starts with 192.168.x.x. The router has two IPs- one is real IP (WAN IP), the other is virtual IP (LAN IP). The virtual IP would be 192.168.x.1. When the remote user wants to operate the DVR, he will have to send command to the real IP, i.e. the router, the router has to map (forward the command to the DVR. Thus it is required to set up the router for port mapping (forwarding) before you can see image remotely from your DVR.

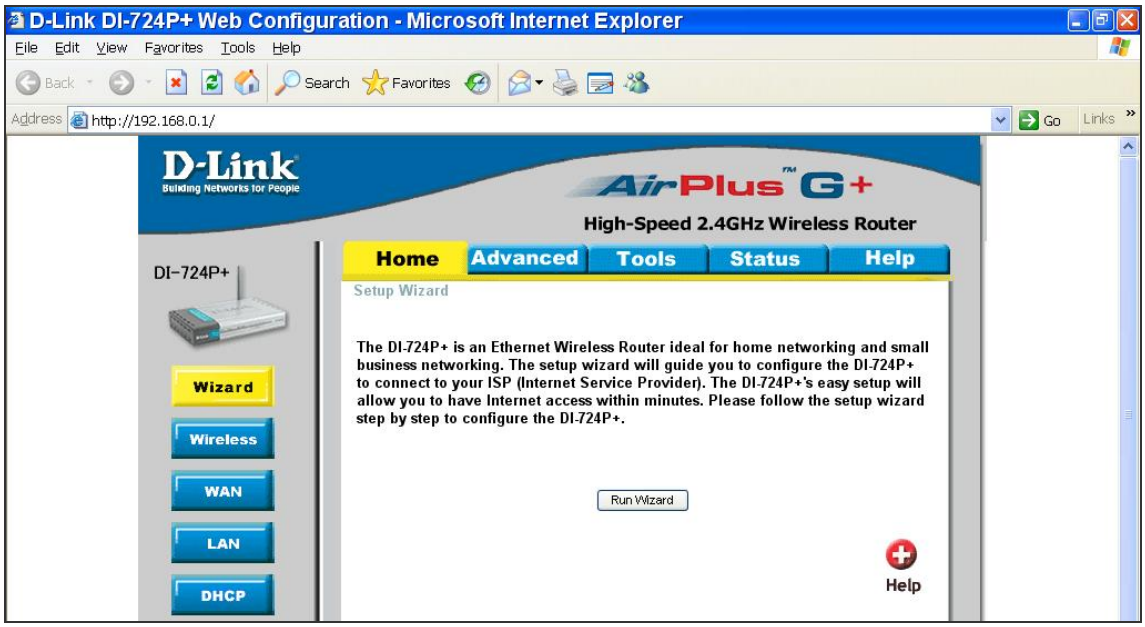


See your router manufacturer's websites for more instructions on port mapping.

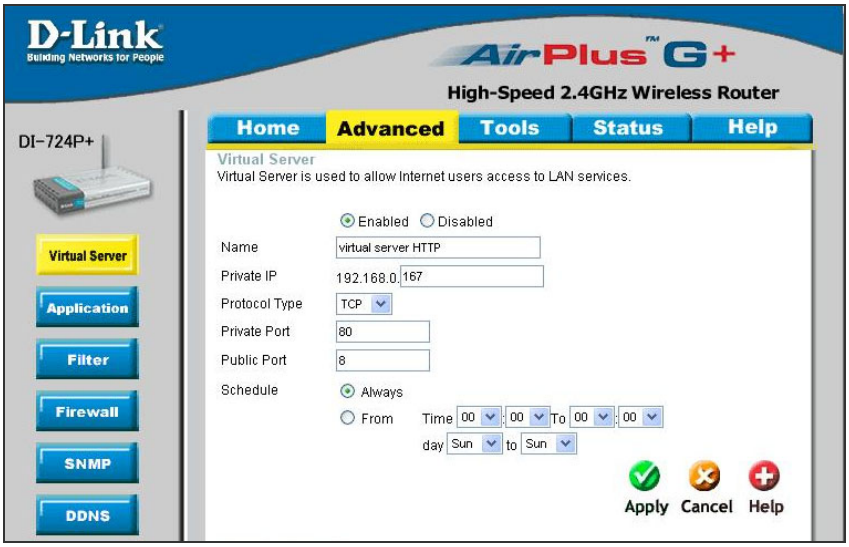
Following is an example of how the router should be set.

Router	PC	DVR 1	DVR 2
(D-Link DI-724P+) WAN IP: 218.160.54.13 LAN IP: 192.168.0.1	IP: 192.168.0.100	IP: 192.168.0.167 Trigger port: 80	IP: 192.168.0.200 Trigger port: 81

- To change the setting of the router, you need a PC with web browser.
- Connect to D-Link DI-724P+ from PC via IE. The setup screen will show after entering the correct user name and password.


D-Link DI-724P+ Web Configuration - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Search Favorites
Address http://192.168.0.1/
Go Links
D-Link
Building Networks for People
AirPlus G+
High-Speed 2.4GHz Wireless Router
DI-724P+
Home
Advanced
Tools
Status
Help
Setup Wizard
The DI-724P+ is an Ethernet Wireless Router ideal for home networking and small business networking. The setup wizard will guide you to configure the DI-724P+ to connect to your ISP (Internet Service Provider). The DI-724P+'s easy setup will allow you to have Internet access within minutes. Please follow the setup wizard step by step to configure the DI-724P+.
Run Wizard
Wizard
Wireless
WAN
LAN
DHCP
Help

- Click the <Advanced> tab and follow the steps to set up web port forward to DVR 1.
  A. Select the <Enabled> to set up the service.
  B. Enter the name of the setting in the Name field: DVR 1.
  C. Enter Private IP: 167
  D. Choose <TCP> as the Protocol Type.
  E. Enter Private Port: 80.
  F. Enter Public Port: 80.
  G. Click <Always> for the Schedule setting.
  H. Click <Apply>.



- Click <Continue> to go on when the following screen displays.

- Follow the steps to set up web port forward to DVR 2.
  A. Click <Enabled> to set up the service.
  B. Enter the name of the setting in the Name field: DVR 2.
  C. Enter Private IP: 200
  D. Choose <TCP> as the Protocol Type.
  E. Enter Private Port: 81.
  F. Enter Public Port: 81.
  G. Click <Always> for the Schedule setting.
  H. Click <Apply>.

- Now you can see DVR 1 via http://218.160.54.13:80 and DVR 2 via http://218.160.54.13:81.

- If there are more than one DVR behind the router, repeat the steps for port mapping setting.